CITY OF BIRMINGHAM

BEST MANAGEMENT PLAN REVIEW EROSION SEDIMENT PREVENTION AND CONTROL CHECKLIST

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| | 1. Identify and Describe the work to be performed |
| | 1a. Identify and Describe the proposed use of the site |
| | 2. Name, address, telephone number and cellphone number and email address for: |
| | a. applicant |
| | b. owner of project |
| | c. owner of the property |
| | d. or lessee |
| | e. contact person |
| | f. all contractors and subcontractors who shall implement any BMP Plan |
| | g. the qualified credentialed professional who prepared the BMP Plan(Single Res. Exempted) |
| | 3. Legal Description and address of site |
| | 4. Site Plan or Map |
| | 5. Topo graphical Survey for difficult sites |
| | 6. BMP Plans and Drainage Plans |
| | 7. State Estimated Cost of Work Involved for temporary and permanent BMPs |
| | 8. State the Schedule for the starting and completion dates of the land disturbance activity |
| | 9. Signed by the owner or authorized representative |
| | 10. Other information as required by City |
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| | Plans Required |
| | a. 3 sets of BMP plans and specifications signed by a registered architect, landscape architect, civil engineer, geologist, geotechnical engineer or environmental manager |
| | b. Each application for a SESC permit, except applications related to individual single family residence, shall require a soil erosion control plan. (Control Plan) |
| | c. A drainage Plan shall be required as set out in Section 207 |
| | d. Soil engineering geology report is deemed necessary Section 208 |
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| | Plan Standards |
| | a. Persons conducting Land-Disturbance activities shall take all reasonable measures |
| | b. All BMP plans and specifications required to be submitted, including BMP plans for an individual single family residence, shall be prepared in a manner which will assure the following: |
| | 1. Protect and preserve existing natural drainage channels |
| | 2. Include design provisions to retain off-site natural drainage channels. |
| | 3. Assure that waters drained form the development are free of point and non-point sources of pollutants, including eroded soil and sediment, and do not cause water problems on adjacent properties to any greater extent than occurs in the absence of the development |
| | 4. Assure that waters are drained from the development in such a manner that will not cause erosion to any greater extent than would occur in the absence of the development |

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| | 5. Provide that all roof and foundation drains shall be discharged to natural drainage, engineered detention ponds, curb face outlets, or to a public or approved private storm drain. |
| | 6. All drainage facilities shall be designed to carry waters to the nearest practicable drainage way as provided by the City Engineer and/or other appropriate jurisdiction designated as a safe place to discharge such waters. If drainage facilities discharge other than into an approved drainage way, rip-rap or other erosion protection may be required. |
| | 7. All surfaces waters flowing toward the construction area shall, to the maximum extent practicable, either be passed through the site in a protected channel or diverted by using berms, channels or sediment traps as necessary. |
| | 8. Cut-fill operations shall be kept to a minimum |
| | 9. Adequate provisions shall be provided to minimize drainage of surface water from cut face of excavations or the sloping surfaces of fills. |
| | 10. Slopes shall be no steeper than are safe for the intended use and shall not endanger adjoining property. The slopes stability design shall be within normally accepted engineering practice and shall be provided with surface and subsurface drainage as necessary. Erosion and sediment controls measures shall be designed, according to the size and slope of the disturbed areas or drainage areas, to minimize erosion and to control sediment, to the maximum extent practicable. |
| | 11. Fills shall not encroach upon natural watercourses or constructed channels in a manner so as to impede water flow or adversely affect other property owners. |
| | 12. Grading equipment shall cross natural drainage ways by the means of bridges or culverts except when such methods are not feasible and provided, in any case, that such crossings are kept to a minimum. |
| | 13. To the maximum extent practicable, sediment in runoff water must be minimized by using appropriate BMPs. Structural controls shall be designed and maintained as required to minimize erosion and pollution to the maximum extent practicable. |
| | 14. Discharge from sediment basins and traps must be conducted in a manner consistent with good engineering practices. Sediment–laden or otherwise polluted, water discharged from the site must be addressed in a manner consistent with good engineering practices and the requirements or this Ordinance. |
| | 15. Control measures shall be maintained as an effective barrier to sedimentation and erosion in accordance with the provisions of this ordinance. |
| | c. Plans and Specification for all land disturbance activity which are not for an individual single family residence shall also meet the following standards. |
| | 1. Assure that if drainage levees or flow rates currently impact or will temporarily or permanently increase onto the adjacent properties, detention facilities or other acceptable remedies or conservation measures will be installed which shall include the plan and responsibility for the permanent maintenance of such facilities. |
| | 2. When a lake of pond, either new or existing, is incorporated in a development, the developer shall note on the plans if the lake or pond is |

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| | to be used for sediment control and/or retention during or after construction. |
| | a) All applications for a Permit, except those related to the construction of individual single-family residences, must contain, or be accompanied by a soil erosion and sediment control plan ("Control Plan") |
| | 1) The Control Plan shall be accompanied by a map or plot of the property upon which the land-disturbing activities are to be conducted, prepared by a registered land surveyor, showing the present contour lines of such property, and the present contour lines of a least 25 feet of the properties immediately adjacent to such property and the existing grades and elevations of all streets which abut such property. Such map or plot shall show all existing drainage facilities and all natural drainage on such property and on such adjacent property. |
| | 2) All proposed contours, the proposed temporary and permanent disposition of surface water and the proposed drainage structures; provided however the Control Plans for utility projects, except sewer projects, shall not be required to show the proposed contours. |
| | 3) Proposed contours shall be as 2 foot intervals or smaller, All maps, plots and plans shall be a minimum 24"x36" at a scale of no less than 1"=100'. |
| | d. The Control Plans Shall: |
| | 1) Contain a description of the existing site conditions, |
| | 2) A description of adjacent topographical feature, |
| | 3) The information necessary to determine the erosion qualities of the soil on the site |
| | 4) Potential problem areas of soil erosion and sedimentation, |
| | 5) Soil stabilization specifications, |
| | 6) Provisions for saving topsoil for later re vegetation, |
| | 7) Provisions for saving trees and other vegetation and retention of a buffer, |
| | 8) Intended means of re-vegetation and any provision for a buffer, |
| | 9) Proposed protective measures for controlling erosion and sediment, both temporary and permanent, |
| | 10) Storm water management considerations, |
| | 11) A projected time schedule for the commencement and completion of the land disturbing activity, |
| | 12) Specifications for BMP Plan maintenance during the project and after the completion of the project, |
| | 13) Clearing and Grading Limits, |
| | 14) All other information needed to depict accurately the solutions to potential soil erosion and sedimentation problems |
| | Drainage Plans |
| | a. A drainage plan shall be required if a project:<br>1. Involves land-disturbing activity on a site which changes the natural course of the storm water; or<br>2. Involves a site which is subject to flash flooding or local ponding as a result of soil conditions and lack of identified drainage channels; or |

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| | 3. In located wholly or partially within a 100 year floodplain, a landslide susceptible area or other fragile lands as may be designated for environment protection; or<br>4. Involves hillside development on slopes steeper than 10 percent |
| | b) Drainage Plan Shall Include:<br>1. Flow lines of surface waters onto and off the site;<br>2. Building Pad and existing and proposed finish floor and street elevations if building construction is proposed;<br>3. Existing and Proposed drainage channels, including drainage swales, wetlands, ditches and berms<br>4. Location and design of any proposed facilities for storage or for conveyance of runoff into indicated drainage channels, including sumps, basins, channels, culverts, ponds, storm drains and drop inlets.<br>5. Estimation of existing and increased runoff resulting from the proposed improvements and a statement of the proposed effects on the existing drainage system and adjacent property. |
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